FOR A GOOD
REASON
GRUNDIG

CLOCK RADIOS		CCD 5690 PLL	SONOCLOCK 990 iP	SONOCLOCK 990	SONOCLOCK 890 A WEB	SONOCLOCK 890	SONOCLOCK 790 DCF
SPECIAL FEATURES							
Internet radio via v-tuner		–	–	–	•	–	–
Audio streaming (UPnP client and shared folders)		–	–	–	•	–	–
iPhone / iPod docking station		–	•	–	–	–	–
CLOCK UNIT							
Electronic clock with 24 hour display		LCD	LCD	LCD	LCD	LCD	LED
Quartz stabilized		•	•	•	•	•	•
Automatic time synchronisation		–	–	–	via RDS[2], DAB or Internet	via RDS[2]	DCF 77 reception[1]
Wake-up times		2	2	2	2	1	2
NAP: variable short time wake-up function	min.	–	–	–	up to 300	up to 300	–
WEC: no wake-up at weekends		–	•	•	–	–	•
Wake-up with radio or alarm		• or CD	•	•	•	•	•
Adjustable wake-up duration		–	via switch-off time	via switch-off time	–	–	–
Alarm repeat interval (snooze)	min.	6	5	5	5	–	9
Wake-up after power failure	min.	up to 59	–	–	–	up to 59	up to 59
Automatic sleep timer	min.	up to 90	up to 90	up to 90	up to 60	–	up to 119
Display brightness- / colour adjustment		•/–	•/–	•/–	•/–	–	–
DCF 77 antenna		–	–	–	–	–	•
TUNER UNIT							
DAB+ reception		–	–	–	•	–	–
Ranges		FM	FM	FM	FM	FM	FM
Radio Data System (RDS)		–	•	•	•	•	–
PLL frequency synthesizer		•	•	•	•	•	–
Automatic FM fine tuning (AFC)		–	–	–	–	–	•
Station memories		20	20	20	10 FM + 10 DAB + 10 Internet	10	–
CD UNIT							
D/A converter / Oversampling		1 bit / 8-times	–	–	–	–	–
Title memory / Random play		20 / •	–	–	–	–	–
Repeat one / all / programme		•	–	–	–	–	–
Can read CD-R / CD-RW		• (also MP3)	–	–	–	–	–
AMPLIFIER UNIT							
Nominal output	W	2 x 0.75	2 x 1	2 x 1	2	0.5	0.35
Music output	W	2 x 1.0	2 x 1.5	2 x 1.5	2.5	0.8	0.55
Automatic Loudness / Electronic volume adjustment		•/–	•/•	•/•	•/•	•/•	•/•
CONNECTIONS							
WLAN		–	–	–	802.11b/g	–	–
LAN		–	–	–	RJ45 10/100 Mbit	–	–
USB		–	2.0	2.0	2.0	–	–
Line in (aux)		–	–	–	•	–	–
Headphones socket (3.5 mm)		•	•	•	•	–	•
Remote control		–	•	•	•	–	–
POWER SUPPLY							
Mains voltage, frequency	V~, Hz	230, 50/60	230, 50/60	230, 50/60	230, 50/60	230, 50/60	230, 50/60
Support battery for clock		2 x 1.5 V micro cells	CR 2032	CR 2032	–	9 V flat battery	9 V flat battery
DIMENSIONS							
Dimensions (W x H x D)	approx. cm	17 x 8.5 x 19	20 x 14 x 7	20 x 14 x 7	27 x 6 x 15	27 x 6 x 15	9.5 x 15 x 7.5

Technical data supplied without liability.

[1] DCF 77 signal: displays the exact time and sets itself.

[2] Via RDS time signal, broadcasted by some RDS stations.

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CLOCK RADIOS		SONOCLOCK 691 DAB+	SONOCLOCK 690	SONOCLOCK 660	SONOCLOCK 590	SONOCLOCK 490	SONOCLOCK 395 Q	SONOCLOCK 390
SPECIAL FEATURES								
Internet radio via v-tuner		–	–	–	–	–	–	–
Audio streaming (UPnP client and shared folders)		–	–	–	–	–	–	–
iPhone / iPod docking station		–	–	–	–	–	–	–
CLOCK UNIT								
Electronic clock with 24 hour display		LED	LED	LCD	LED	LED	LCD	LED
Quartz stabilized		•	•	•	–	–	•	–
Automatic time synchronisation		via RDS[2] or DAB	–	via RDS[2]	–	–	–	–
Wake-up times		1	1	2	2	2	1	1
NAP: variable short time wake-up function	min.	up to 300	up to 300	up to 120	–	–	–	–
WEC: no wake-up at weekends		–	–	•	–	–	–	–
Wake-up with radio or alarm		•	•	•	•	•	•	•
Adjustable wake-up duration		up to 90 min.	–	–	–	–	–	–
Alarm repeat interval (snooze)	min.	5	–	5	6	6	9	9
Wake-up after power failure	min.	–	up to 59	up to 59	up to 59	up to 59	up to 59	up to 59
Automatic sleep timer	min.	up to 90	–	up to 119	up to 59	up to 59	up to 59	up to 119
Display brightness- / colour adjustment		–	–	•/• (8-times)	•/–	•/–	•/–	–
DCF 77 antenna		–	–	–	–	–	–	–
TUNER UNIT								
DAB+ reception		•	–	–	–	–	–	–
Ranges		FM	FM	FM	FM, AM (MW)	FM	FM	FM, AM (MW)
Radio Data System (RDS)		•	–	•	–	–	–	–
PLL frequency synthesizer		•	•	•	–	–	•	–
Automatic FM fine tuning (AFC)		–	–	–	•	•	•	•
Station memories		10 FM + 10 DAB	10	10	–	–	20	–
CD UNIT								
D/A converter / Oversampling		–	–	–	–	–	–	–
Title memory / Random play		–	–	–	–	–	–	–
Repeat one / all / programme		–	–	–	–	–	–	–
Can read CD-R / CD-RW		–	–	–	–	–	–	–
AMPLIFIER UNIT								
Nominal output	W	0.5	0.5	0.5	0.25	0.75	0.25	0.25
Music output	W	0.8	0.8	0.8	0.4	1	0.4	0.4
Automatic Loudness / Electronic volume adjustment		•/•	•/•	•/–	•/–	•/–	•/–	–
CONNECTIONS								
WLAN		–	–	–	–	–	–	–
LAN		–	–	–	–	–	–	–
USB		for firmware update only	–	–	–	–	–	–
Line in (aux)		–	–	–	–	–	–	–
Headphones socket (3.5 mm)		–	–	•	–	–	–	–
Remote control		–	–	–	–	–	–	–
POWER SUPPLY								
Mains voltage, frequency	V~, Hz	230, 50/60	230, 50/60	230, 50/60	230, 50	230, 50	230, 50	230, 50
Support battery for clock		–	9 V flat battery	2 x 1.5 V micro cells	9 V flat battery	9 V flat battery	9 V flat battery	9 V flat battery
DIMENSIONS								
Dimensions (W x H x D)	approx. cm	27.6 x 6 x 15	27.6 x 6 x 15	18 x 5.5 x 14.5	11.2 x 11.2 x 11.2	20 x 12 x 5.5	11.2 x 11.7 x 12.3	18.5 x 4.5 x 13

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[2] Via RDS time signal, broadcasted by some RDS stations.